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PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5652883</u>	July 1997	Adcock	707/206
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<input type="checkbox"/>	<u>5900001</u>	May 1999	Wolczko et al.	707/206
<input type="checkbox"/>	<u>6045585</u>	April 2000	Blainey	717/8

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ART-UNIT: 2175

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ABSTRACT:

A computer implemented technique for the static evaluation of the lifetime of objects allocated in memory is presented, which find application in reducing the overhead of generational garbage collection. The method combines pointer alias analysis with static object size determination, from which accurate generational assignment of newly created objects can be accomplished.

46 Claims, 4 Drawing figures